



Author index

Volume 150 (1994)

- Airoidi, L. 150, 121
Alborghetti, F. 150, 197, 259
Alessio, L. 150, 129
Alinovi, R. 150, 149
Apostoli, P. 150, 129
Arsuffi, E. 150, 121
- Bacis, M. 150, 111, 121, 133
Baj, A. 150, 117
Barberis, M. 150, 77
Barbic, F. 150, 105, 225
Bay, A. 150, 111
Bedogni, L. 150, 145
Belotti, L. 150, 187, 197
Bergamaschi, E. 150, 149
Bernabeo, F. 150, 111
Bianchi, S. 150, 249
Binderup, M.L. 150, 217
Bocchi, M.C. 150, 149
Borleri, D. 150, 105, 179
Botta, G.C. 150, 141
- Caironi, M. 150, 121, 197, 253
Candela, S. 150, 145
Canesi, M. 150, 249
Carniti, A. 150, 249
Cassani, L. 150, 223
Cassina, G. 150, 187
Cereda, C. 150, 249
Chamberlin, R.I. 150, 55
Chiappino, G. 150, 65
Christensen, J.M. 150, 95
Cirila, A.M. 150, 85
Colombo, F. 150, 179
Colombo, E. 150, 117
Cortona, G. 150, 117
- D'Adda, F. 150, 105, 179, 187
Data, P.G. 150, 215
Della Torre, F. 150, 223
- Demedts, M. 150, 57
Devos, S. 150, 233
Di Giulio, C. 150, 215
Dyne, D. 150, 209
- Edel, J. 150, 153, 233
Eisen, E.A. 150, 55
- Ferdenzi, O. 150, 149
Ferdenzi, P. 150, 245
Ferrari, M.T. 150, 197, 253
Ferretti, G. 150, 161
Ferri, F. 150, 145
Forni, A. 150, 41, 69
Fraoli, P. 150, 77
Franchini, I. 150, 149
- Gaffuri, G. 150, 173
Gallorini, M. 150, 153, 231
Giaroli, C. 150, 149, 245
Greene, R.E. 150, 55
- Hamilton, E.I. 150, 7
- Iezzi, M. 150, 215
Imbrogno, P. 150, 121, 259
Innocenti, A. 150, 219
- Lauwerys, R. 150, 1
Lebbolo, E. 150, 253
Leghissa, P. 150, 121, 133, 187, 197, 253
Lewis, C.P.L. 150, 57
Lison, D. 150, 1
Luzzana, G. 150, 121
- Maccarana, G. 150, 121
Maggi, L. 150, 197
Mariano, A. 150, 219
Medolago, G. 150, 179
Michetti, G. 150, 173, 187, 225

- Michetti, L. 150, 173
Migliori, M. 150, 173, 179, 187, 225
Mineo, F. 150, 245
Minoia, C. 150, 41, 263
Morelli, L. 150, 215
Mori, P. 150, 245
Mosconi, G. 150, 41, 105, 111, 121, 133, 153, 173, 179, 187, 263
Motta, T. 150, 187
Musitelli, O. 150, 187

Nemery, B. 150, 57
Nicoli, E. 150, 161
Nordberg, G. 150, 201

Oliver, L.C. 150, 55

Parigi, P.C. 150, 121, 253
Pedroni, C. 150, 245
Piazzolla, S. 150, 197, 253
Piccinini, R. 150, 145, 245
Pietra, R. 150, 41, 77, 153, 223, 231, 233
Pisati, G. 150, 167
Polini, S. 150, 121
Ponzetti, C. 150, 141
Porru, S. 150, 129
Poulsen, O.M. 150, 95
Pozzi, G. 150, 233

Quaianni, T. 150, 117

Ravasio, G. 150, 121
Redaelli, M.L. 150, 249
Reviglione, L. 150, 141

Ricci, R. 150, 245
Rivolta, G. 150, 161
Rizzato, G. 150, 77

Sabbioni, E. 150, 41, 77, 133, 153, 187, 223, 231, 233, 263
Sala, C. 150, 111
Sala, O. 150, 111, 145, 245
Sartorelli, P. 150, 219
Scansetti, G. 150, 41, 141
Scarpazza, G. 150, 223
Segale, M. 150, 223
Seghizzi, P. 150, 105, 179, 187, 263
Sesana, G. 150, 117
Silva, T. 150, 197
Spinelli, P. 150, 141
Sprince, N.L. 150, 55
Storto, T. 150, 197
Suardi, R. 150, 197

Tartaglia, G.P. 150, 231
Tomasini, M. 150, 161

Veronesi, C. 150, 245
Villa, R. 150, 173
Virotta, G. 150, 179
Vitali, M.T. 150, 133

Wassermann, K. 150, 217
Wätjen, U. 150, 231
White, M.A. 150, 209

Zanelli, R. 150, 173, 225
Zedda, S. 150, 167

Subject index

Volume 150 (1994)

Acute; Cobalt administration; Chronic; Carotid body; Receptor responses; Ultrastructure and morphometry **150, 215**

Adenine; Cobalt; Genotoxicity; *Salmonella typhimurium* **150, 217**

Airborne cobalt determination; Cobalt exposure; Hard metal tools; Urine; Cobalt **150, 117**

Alveolitis; Asthma; Interstitial lung disease; Pulmonary fibrosis; Cobalt; Hard metal **150, 65**

Alveolitis; Bronchoalveolar lavage; BAL; Hard metal disease; Hard metal asthma **150, 69**

Animals; Cobalt; Geochemistry; Biochemistry; Methods; Water; Plants; Man; Occupational exposure; Health and disease **150, 7**

Asthma; Interstitial lung disease; Alveolitis; Pulmonary fibrosis; Cobalt; Hard metal **150, 65**

BAL; Bronchoalveolar lavage; Hard metal disease; Hard metal asthma; Alveolitis **150, 69**

Beer drinkers; Cobalt myocardiopathy; Review; Hard metal workers; Pathogenesis **150, 105**

Bergamo province; Cobalt exposure; Industrial activities **150, 121**

Biochemistry; Cobalt; Geochemistry; Methods; Water; Plants; Animals; Man; Occupational exposure; Health and disease **150, 7**

Biological monitoring; Cobalt excretion; Kinetics; Cobalt in urine (CoU) **150, 133**

Biological monitoring; Cobalt exposure; Primary prevention; Environmental monitoring; Widia tool grinding **150, 249**

Biological monitoring; Cobalt sharpener operation **150, 259**

Biological monitoring; Cobalt; Occupational exposure **150, 209**

Biological monitoring; Cobalt; Pottery plate painters; Health effects **150, 95**

Biological monitoring; Cobalt; Stellite; Welders **150, 145**

Biological monitoring; Cobalt; Urinary excretion; Kinetics **150, 129**

Biological specimens; Hard metals; Neutron activation analysis; Cobalt; Tungsten; Tantalum **150, 41**

Biomonitoring; Cobalt; Hard metal disease; Mechanisms of toxicity; Diagnosis and health; Surveillance; Health effects **150, 263**

Bronchoalveolar lavage; BAL; Hard metal disease; Hard metal asthma; Alveolitis **150, 69**

Bronchoalveolar lavage; Hard metal disease; Interstitial lung fibrosis; Neutronic activation analysis **150, 223**

Bronchoalveolar lavage; Hard metal grinding; Fibrosing alveolitis; Cobalt exposure **150, 225**

Bronchoalveolar lavage; Interstitial lung diseases; Hard metal disease; Pneumoconiosis; Cobalt **150, 173**

Brush-border antigens; Cobalt; Nephrotoxicity; Proteinuria **150, 149**

Carbon monoxide transfer coefficient; Cobalt exposure; Interstitial lung disease **150, 197**

Cardiac function; Cobalt myocardiopathy; Radionuclide angiocardigraphy; Hard metal disease; Hard metal workers **150, 179**

- Carotid body;** Cobalt administration; Acute; Chronic; Receptor responses; Ultrastructure and morphometry 150, 215
- Cell cultures;** Cobalt; Metabolism; Rats; Radiotracers 150, 233
- Chromium;** Cobalt; Dental prostheses 150, 253
- Chronic;** Cobalt administration; Acute; Carotid body; Receptor responses; Ultrastructure and morphometry 150, 215
- Cobalt;** Asthma; Interstitial lung disease; Alveolitis; Pulmonary fibrosis; Hard metal 150, 65
- Cobalt;** Bronchoalveolar lavage; Interstitial lung diseases; Hard metal disease; Pneumoconiosis 150, 173
- Cobalt;** Chromium; Dental prostheses 150, 253
- Cobalt;** Cobalt exposure; Hard metal tools; Airborne cobalt determination; Urine 150, 117
- Cobalt;** Exposure; Health effects; Dose response data; Risks 150, 201
- Cobalt;** Genotoxicity; *Salmonella typhimurium*; Adenine 150, 217
- Cobalt;** Geochemistry; Biochemistry; Methods; Water; Plants; Animals; Man; Occupational exposure; Health and disease 150, 7
- Cobalt;** Hard metal disease; Biomonitoring; Mechanisms of toxicity; Diagnosis and health; Surveillance; Health effects 150, 263
- Cobalt;** Hard metal industry; Skin absorption; Urinary excretion 150, 141
- Cobalt;** Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Tantalum; Titanium; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77
- Cobalt;** Hard metals; Biological specimens; Neutron activation analysis; Tungsten; Tantalum 150, 41
- Cobalt;** Metabolism; Rats; Cell cultures; Radiotracers 150, 233
- Cobalt;** Nephrotoxicity; Proteinuria; Brush-border antigens 150, 149
- Cobalt;** Neutron activation analysis; PIXE; MicroPIXE; Hard metal pneumoconiosis; Tungsten 150, 231
- Cobalt;** Occupational asthma; Follow-up 150, 167
- Cobalt;** Occupational exposure; Biological monitoring 150, 209
- Cobalt;** Oxidative stress; Diamond polishing; Pulmonary toxicity occupational lung disease 150, 57
- Cobalt;** Pottery plate painters; Biological monitoring; Health effects 150, 95
- Cobalt;** Speciation; Urine; Hard metals; Neutron activation analysis 150, 153
- Cobalt;** Stellite; Welders; Biological monitoring 150, 145
- Cobalt;** Tungsten carbide; Interaction; Hard metals; Lung; Skin 150, 1
- Cobalt;** Tungsten carbide; Interstitial lung disease 150, 55
- Cobalt;** Urinary excretion; Kinetics; Biological monitoring 150, 129
- Cobalt administration;** Acute; Chronic; Carotid body; Receptor responses; Ultrastructure and morphometry 150, 215
- Cobalt asthma;** Cobalt-specific IgG; Cobalt immunology; Eosinophils 150, 85
- Cobalt dusts;** Hard metal; Local ventilation; Control strategies 150, 111
- Cobalt excretion;** Kinetics; Cobalt in urine (CoU); Biological monitoring 150, 133
- Cobalt exposure;** Granite cutting diamond wheels; Sintering; Health surveillance 150, 245
- Cobalt exposure;** Hard metal grinding; Bronchoalveolar lavage; Fibrosing alveolitis 150, 225
- Cobalt exposure;** Hard metal tools; Airborne cobalt determination; Urine; Cobalt 150, 117
- Cobalt exposure;** Industrial activities; Bergamo province 150, 121
- Cobalt exposure;** Interstitial lung disease; Carbon monoxide transfer coefficient 150, 197
- Cobalt exposure;** Primary prevention; Biological monitoring; Environmental monitoring; Widia tool grinding 150, 249
- Cobalt immunology;** Cobalt asthma; Cobalt-specific IgG; Eosinophils 150, 85
- Cobalt in urine (CoU);** Cobalt excretion; Kinetics; Biological monitoring 150, 133

Cobalt myocardiopathy; Cardiac function; Radionuclide angiocardigraphy; Hard metal disease; Hard metal workers 150, 179

Cobalt myocardiopathy; Review; Beer drinkers; Hard metal workers; Pathogenesis 150, 105

Cobalt sharpener operation; Biological monitoring 150, 259

Cobalt-specific IgG; Cobalt asthma; Cobalt immunology; Eosinophils 150, 85

Control strategies; Hard metal; Cobalt dusts; Local ventilation 150, 111

Dental prostheses; Cobalt; Chromium 150, 253

Diagnosis and health; Cobalt; Hard metal disease; Biomonitoring; Mechanisms of toxicity; Surveillance; Health effects 150, 263

Diamond polishing; Cobalt; Oxidative stress; Pulmonary toxicity occupational lung disease 150, 57

Differential diagnosis; Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Cobalt; Tantalum; Titanium; Tungsten carbide; Sarcoidosis 150, 77

Dose response data; Cobalt; Exposure; Health effects; Risks 150, 201

Environmental monitoring; Cobalt exposure; Primary prevention; Biological monitoring; Widia tool grinding 150, 249

Eosinophils; Cobalt asthma; Cobalt-specific IgG; Cobalt immunology 150, 85

Evolution; Hard metal pulmonary fibrosis; Working conditions; Therapy 150, 219

Exposed workers; Hard metal dusts; Physical examination 150, 161

Exposure; Cobalt; Health effects; Dose response data; Risks 150, 201

Fibrosing alveolitis; Hard metal grinding; Bronchoalveolar lavage; Cobalt exposure 150, 225

Follow-up; Occupational asthma; Cobalt 150, 167

Genotoxicity; Cobalt; *Salmonella typhimurium*; Adenine 150, 217

Geochemistry; Cobalt; Biochemistry; Methods; Water; Plants; Animals; Man; Occupational exposure; Health and disease 150, 7

Granite cutting diamond wheels; Sintering; Cobalt exposure; Health surveillance 150, 245

Hard metal; Asthma; Interstitial lung disease; Alveolitis; Pulmonary fibrosis; Cobalt 150, 65

Hard metal; Cobalt dusts; Local ventilation; Control strategies 150, 111

Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Cobalt; Tantalum; Titanium; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77

Hard metal asthma; Bronchoalveolar lavage; BAL; Hard metal disease; Alveolitis 150, 69

Hard metal disease; Bronchoalveolar lavage; BAL; Hard metal asthma; Alveolitis 150, 69

Hard metal disease; Bronchoalveolar lavage; Interstitial lung diseases; Pneumoconiosis; Cobalt 150, 173

Hard metal disease; Cardiac function; Cobalt myocardiopathy; Radionuclide angiocardigraphy; Hard metal workers 150, 179

Hard metal disease; Cobalt; Biomonitoring; Mechanisms of toxicity; Diagnosis and health; Surveillance; Health effects 150, 263

Hard metal disease; Interstitial lung fibrosis; Neutronic activation analysis; Bronchoalveolar lavage 150, 223

Hard metal dusts; Exposed workers; Physical examination 150, 161

Hard metal grinding; Bronchoalveolar lavage; Fibrosing alveolitis; Cobalt exposure 150, 225

Hard metal industry; Cobalt; Skin absorption; Urinary excretion 150, 141

Hard metal pneumoconiosis; Neutron activation analysis; PIXE; MicroPIXE; Cobalt; Tungsten 150, 231

Hard metal pulmonary fibrosis; Evolution; Working conditions; Therapy 150, 219

Hard metal tools; Cobalt exposure; Airborne cobalt determination; Urine; Cobalt 150, 117

Hard metal workers; Cardiac function; Cobalt myocardiopathy; Radionuclide angiocardigraphy; Hard metal disease 150, 179

Hard metal workers; Cobalt myocardiopathy; Review; Beer drinkers; Pathogenesis 150, 105

- Hard metals;** Biological specimens; Neutron activation analysis; Cobalt; Tungsten; Tantalum 150, 41
- Hard metals;** Cobalt; Speciation; Urine; Neutron activation analysis 150, 153
- Hard metals;** Cobalt; Tungsten carbide; Interaction; Lung; Skin 150, 1
- Health and disease;** Cobalt; Geochemistry; Biochemistry; Methods; Water; Plants; Animals; Man; Occupational exposure 150, 7
- Health effects;** Cobalt; Exposure; Dose response data; Risks 150, 201
- Health effects;** Cobalt; Hard metal disease; Biomonitoring; Mechanisms of toxicity; Diagnosis and health; Surveillance 150, 263
- Health effects;** Cobalt; Pottery plate painters; Biological monitoring 150, 95
- Health surveillance;** Granite cutting diamond wheels; Sintering; Cobalt exposure 150, 245
- Industrial activities;** Cobalt exposure; Bergamo province 150, 121
- Interaction;** Cobalt; Tungsten carbide; Hard metals; Lung; Skin 150, 1
- Interstitial lung diseases;** Bronchoalveolar lavage; Hard metal disease; Pneumoconiosis; Cobalt 150, 173
- Interstitial lung disease;** Asthma; Alveolitis; Pulmonary fibrosis; Cobalt; Hard metal 150, 65
- Interstitial lung disease;** Cobalt exposure; Carbon monoxide transfer coefficient 150, 197
- Interstitial lung disease;** Cobalt; Tungsten carbide 150, 55
- Interstitial lung fibrosis;** Hard metal disease; Neutronic activation analysis; Bronchoalveolar lavage 150, 223
- Kinetics;** Cobalt excretion; Cobalt in urine (CoU); Biological monitoring 150, 133
- Kinetics;** Cobalt; Urinary excretion; Biological monitoring 150, 129
- Local ventilation;** Hard metal; Cobalt dusts; Control strategies 150, 111
- Lung;** Cobalt; Tungsten carbide; Interaction; Hard metals; Skin 150, 1
- Man;** Cobalt; Geochemistry; Biochemistry; Methods; Water; Plants; Animals; Occupational exposure; Health and disease 150, 7
- Mechanisms of toxicity;** Cobalt; Hard metal disease; Biomonitoring; Diagnosis and health; Surveillance; Health effects 150, 263
- Metabolism;** Cobalt; Rats; Cell cultures; Radiotracers 150, 233
- Methods;** Cobalt; Geochemistry; Biochemistry; Water; Plants; Animals; Man; Occupational exposure; Health and disease 150, 7
- MicroPIXE;** Neutron activation analysis; PIXE; Hard metal pneumoconiosis; Cobalt; Tungsten 150, 231
- Nephrotoxicity;** Cobalt; Proteinuria; Brush-border antigens 150, 149
- Neutron activation analysis;** Cobalt; Speciation; Urine; Hard metals 150, 153
- Neutron activation analysis;** Hard metal; Nuclear reactor; Pneumoconiosis; Cobalt; Tantalum; Titanium; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77
- Neutron activation analysis;** Hard metals; Biological specimens; Cobalt; Tungsten; Tantalum 150, 41
- Neutron activation analysis;** PIXE; MicroPIXE; Hard metal pneumoconiosis; Cobalt; Tungsten 150, 231
- Neutronic activation analysis;** Hard metal disease; Interstitial lung fibrosis; Bronchoalveolar lavage 150, 223
- Nuclear reactor;** Hard metal; Neutron activation analysis; Pneumoconiosis; Cobalt; Tantalum; Titanium; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77
- Occupational asthma;** Cobalt; Follow-up 150, 167
- Occupational exposure;** Cobalt; Biological monitoring 150, 209
- Occupational exposure;** Cobalt; Geochemistry; Biochemistry; Methods; Water; Plants; Animals; Man; Health and disease 150, 7
- Oxidative stress;** Cobalt; Diamond polishing; Pulmonary toxicity occupational lung disease 150, 57
- Pathogenesis;** Cobalt myocardiopathy; Review; Beer drinkers; Hard metal workers 150, 105
- Physical examination;** Hard metal dusts; Exposed workers 150, 161

PIXE; Neutron activation analysis; MicroPIXE; Hard metal pneumoconiosis; Cobalt; Tungsten 150, 231

Plants; Cobalt; Geochemistry; Biochemistry; Methods; Water; Animals; Man; Occupational exposure; Health and disease 150, 7

Pneumoconiosis; Bronchoalveolar lavage; Interstitial lung disease; Hard metal disease; Cobalt 150, 173

Pneumoconiosis; Hard metal; Neutron activation analysis; Nuclear reactor; Cobalt; Tantalum; Titanium; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77

Pottery plate painters; Cobalt; Biological monitoring; Health effects 150, 95

Primary prevention; Cobalt exposure; Biological monitoring; Environmental monitoring; Widia tool grinding 150, 249

Proteinuria; Cobalt; Nephrotoxicity; Brush-border antigens 150, 149

Pulmonary fibrosis; Asthma; Interstitial lung disease; Alveolitis; Cobalt; Hard metal 150, 65

Pulmonary toxicity occupational lung disease; Cobalt; Oxidative stress; Diamond polishing 150, 57

Radionuclide angiocardigraphy; Cardiac function; Cobalt myocardiopathy; Hard metal disease; Hard metal workers 150, 179

Radiotracers; Cobalt; Metabolism; Rats; Cell cultures 150, 233

Rats; Cobalt; Metabolism; Cell cultures; Radiotracers 150, 233

Receptor responses; Cobalt administration; Acute; Chronic; Carotid body; Ultrastructure and morphometry 150, 215

Review; Cobalt myocardiopathy; Beer drinkers; Hard metal workers; Pathogenesis 150, 105

Risks; Cobalt; Exposure; Health effects; Dose response data 150, 201

Salmonella typhimurium; Cobalt; Genotoxicity; Adenine 150, 217

Sarcoidosis; Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Cobalt; Tantalum; Titanium; Tungsten carbide; Differential diagnosis 150, 77

Sintering; Granite cutting diamond wheels; Cobalt exposure; Health surveillance 150, 245

Skin; Cobalt; Tungsten carbide; Interaction; Hard metals; Lung 150, 1

Skin absorption; Hard metal industry; Cobalt; Urinary excretion 150, 141

Speciation; Cobalt; Urine; Hard metals; Neutron activation analysis 150, 153

Stellite; Cobalt; Welders; Biological monitoring 150, 145

Surveillance; Cobalt; Hard metal disease; Biomonitoring; Mechanisms of toxicity; Diagnosis and health; Health effects 150, 263

Tantalum; Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Cobalt; Titanium; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77

Tantalum; Hard metals; Biological specimens; Neutron activation analysis; Cobalt; Tungsten 150, 41

Therapy; Hard metal pulmonary fibrosis; Evolution; Working conditions 150, 219

Titanium; Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Cobalt; Tantalum; Tungsten carbide; Sarcoidosis; Differential diagnosis 150, 77

Tungsten; Hard metals; Biological specimens; Neutron activation analysis; Cobalt; Tantalum 150, 41

Tungsten; Neutron activation analysis; PIXE; MicroPIXE; Hard metal pneumoconiosis; Cobalt 150, 231

Tungsten carbide; Cobalt; Interaction; Hard metals; Lung; Skin 150, 1

Tungsten carbide; Cobalt; Interstitial lung disease 150, 55

Tungsten carbide; Hard metal; Neutron activation analysis; Nuclear reactor; Pneumoconiosis; Cobalt; Tantalum; Titanium; Sarcoidosis; Differential diagnosis 150, 77

Ultrastructure and morphometry; Cobalt administration; Acute; Chronic; Carotid body; Receptor responses 150, 215

Urinary excretion; Cobalt; Kinetics; Biological monitoring 150, 129

Urinary excretion; Hard metal industry; Cobalt; Skin absorption 150, 141

Urine; Cobalt exposure; Hard metal tools; Airborne cobalt determination; Cobalt 150, 117

Urine; Cobalt; Speciation; Hard metals; Neutron activation analysis 150, 153

Water; Cobalt; Geochemistry; Biochemistry; Methods; Plants; Animals; Man; Occupational exposure; Health and disease **150, 7**

Welders; Cobalt; Stellite; Biological monitoring **150, 145**

Widia tool grinding; Cobalt exposure; Primary prevention; Biological monitoring; Environmental monitoring **150, 249**

Working conditions; Hard metal pulmonary fibrosis; Evolution; Therapy **150, 219**